Manitoba

Health
Health and Healthy Living
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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the month of February 2008. This information includes the number of reported cases of notifiable communicable diseases for which individuals in Manitoba tested positive* on laboratory samples and/or clinical reports, during the month of February 2008.

Communicable Diseases

In total, there were **387** new infections occurring across 30 communicable diseases** (excluding sexually transmitted infections and HIV) in February 2008. The observed numbers of cases were within the statistically expected range for all of the reported communicable diseases with the exception of the following diseases:

- Diphtheria – 1 throat specimen reported, 0 cases expected
- Hepatitis B – 2 cases reported, 0-1 cases expected
- Malaria – 2 cases reported, 0-1 cases expected

The expected number of cases and accompanying range is based on the statistical number of cases during January, February and March, 2003-2008.

Diphtheria is uncommon in Manitoba. Routine immunization is offered to prevent and control disease. Malaria is a travel related disease and is not endemic in temperate zone countries such as Canada.

MRSA positive results within Manitoba include both individuals who are symptomatic of infection and colonized individuals, who have no symptoms and are found with admission screening activities at facilities. If facilities increase their screening activities, it would result in a rise in colonized MRSA cases. Together MRSA and *Clostridium difficile* accounted for 53% of all non-STI/HIV related communicable diseases reported to Manitoba Health and Healthy Living. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups. Within January and February, the count of C. difficile cases in 2007 was 228, whereas in 2008 has been 147.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **614** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in December:

- 503 cases of chlamydia (Ct)
- 49 cases of gonorrhoea (GC)
- 61 co-infections of Ct and GC and
- 1 case of syphilis

Forty-three percent of all GC and Ct cases in the province were reported among females of age group 15-24 years. 52% all Ct cases were reported for individuals living in the Winnipeg Health Region and an additional 20% were from the Burntwood Health Region.

In February, 34 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. Seven Manitobans tested positive for HIV in January. A new case of HIV infection is defined as a positive test with a unique code that has not been previously associated with a positive test result in Manitoba. Six of the HIV cases reported in February were between 25 and 39 years of age and one case was between 50 and 59 years.

***Note**: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

****Note**: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are not referred out for public health follow-up:

- Ascariasis (ICD9: 127.0)
- Leishmaniasis – unspecified (ICD9: 085.9)
- Methicillin or vancomycin resistant *Staphylococcus aureus* (MRSA/VRSA) (ICD9 B95.6)
- Schistosomiasis (ICD9: 120)
- *Streptococcus pneumoniae* – other site (ICD9: 041.2)
- *Strongyloides* (ICD9: 127.2)
- Vancomycin resistant enterococci (VRE) (ICD9 B96.8)

The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes and are referred out to public health for information only:

- Viral Meningitis – CoxSackie
- Viral Meningitis – Echo
- Viral Meningitis – Entero
- Viral Meningitis – H. simplex (Epstein Barr, CSF only)

All other diseases are referred out for further public health follow-up and investigation

Please feel free to contact me should you have any questions about this report.

Thank you.

Sincerely,

Myrna Dyck BN, MSc
Epidemiologist, Communicable Diseases
Public Health Surveillance System
Manitoba Health and Healthy Living

SUMMARY OF COMMUNICABLE DISEASE FOR February 2008

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2007	2008	Expected*	Ex. Range**	2007	2008
006.9	AMEBIASIS	3	4	3	1-5	7	5
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	1	
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS	4	1		***	6	1
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-2	1	
008.43	CAMPYLOBACTER	8	17	13	5-21	25	30
558.2	CLOSTRIDIUM DIFFICILE	97	67		***	228	147
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	2	2	0-5	7	4
061.0	DENGUE FEVER			0	0-1		1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES		1	0	0-0		1
123.4	DIPHYLLOBOTHRIUM SPP		1	0	0-1	1	1
008.0	E. COLI-VEROTOXIGENIC		1	3	0-10	1	4
054.3	ENCEPHALITIS			0	0-0		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	7	4	9	3-15	19	12
041.5	H.I.B.-NON MTGS		1	0	0-2		1
041.59	HAEM. INFLUENZAE (non-B)	2			***	2	2
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	1	1	2	0-4	4	2
070.3	HEPATITIS B	1	2	0	0-1	1	2
070.51	HEPATITIS C	31	34	34	14-54	55	58
487.1A	INFLUENZA A	30	43		***	47	56
487.1B	INFLUENZA B		14		***	1	19
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES		1	0	0-1		2
088.81	LYME DISEASE			0	0-0		
084	MALARIA		2	0	0-1		4
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			1	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATHY				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		1
B95.6	MRSA	137	138	89	0-181	314	326
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1		2
728.86	NECROTIZING FASCIITIS		1	0	0-2		1
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
033.0	PERTUSSIS		6	3	0-9	2	7
038.2	PNEUM. SEPTICEMIA	16	9	7	0-15	22	21
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER		1	0	0-1		1

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2007	2008	Expected*	Ex. Range**	2007	2008
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER	1		1	0-4	1	
003.0	SALMONELLA	22	15	15	4-26	50	37
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		4	2	0-4	1	6
050.9	SMALLPOX				***		
005.0	STAPH FOOD POISON			0	0-0		
785.5	STAPH TOXIC SHOCK		2		***		2
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE	1	1	0	0-1	1	1
127.2	STRONGYLOIDES	2		0	0-2	4	
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-1		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.		1	2	0-5	3	3
011	TUBERCULOSIS - RESP.	9	9	7	3-11	14	12
010	TUBERCULOSIS-PRIM.	1		1	0-6	1	
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	7	3		***	11	8
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	2		1	0-3	3	
		384	**387**			**834**	**780**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR February 2008

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS					1			1								1							1					4
116.0	BLASTOMYCOSIS																						1						1
008.43	CAMPYLOBACTER		1		1	1			1	1	1		1	1	1	2	2	1	1		1	1							17
558.2	CLOSTRIDIUM DIFFICILE	1	1	1	1	1	2			1		1	2				4	2	2	4	5	1	4	8	2	13	11		67
007.8	CRYPTOSPORIDIOSIS				1	1																							2
032	DIPH. CASES																									1			1
123.4	DIPHYLLOBOTHRIUM																	1											1
008.0	E.COLI 0157				1																								1
007.1	GIARDIA LAMBLIA				1	1											2												4
041.5	HAEM.INFLUENZA B (not csf				1																								1
070.1	HEPATITIS A											1																	1
070.3	HEPATITIS B												1							1									2
070.51	HEPATITIS C												1	2	1		4	2	10	3	6		1	1	1			2	34
487.1A	INFLUENZA A	4	8	2	1	3	4				2	1	1			1	2	4		2	1	1		1		3	2		43
487.1B	INFLUENZA B		1			1	1		1							1	1		1	1					1	3	2		14
027.0	LISTERIA MONOCYTOGENES																							1					1
084	MALARIA				1												1												2
B95.6	MRSA	2	3	3	4	5	2	1	5	2	4	4	9	8	3	3	8	8	9	6	4	3	9	4	8	9	12		138
728.86	NECROTIZING FASCIITIS																			1									1
036.89	NEISSERIA MGTS(0ther)																		1										1
033.0	PERTUSSIS	2	1			3																							6
083.0	Q. FEVER																								1				1
003.0	SALMONELLA								1		2	1	2		1		1	1	1		1	1	1	1		1			15
004	SHIGELLOSIS		1				2	1																					4
785.5	STAPHYLOCOCCUS AUREUS																	1			1								2
481	STREP. PNEUMONIAE PNEUMON												1																1

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
038.2	STREP.PNEUMOCOCCAL SEPTIC												1				1	1	2	1	2	1							9
013	TUBERCULOSIS - NON-RESP.																								1				1
011	TUBERCULOSIS - RESP.															2	3	2	1				1						9
B96.8	VANCOMYCIN RES. ENTER.																			1		1			1				3
		9	16	6	12	17	11	2	9	4	9	8	19	11	6	9	30	23	28	20	21	9	17	17	15	30	27		387

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR February 2008

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	3							1														4
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	5	1		1		5		2		2				1								17
558.2	CLOSTRIDIUM DIFFICILE	40	4		2		2		4		4		3		3		2		2			1	67
007.8	CRYPTOSPORIDIOSIS																1	1					2
032	DIPH. CASES								1														1
123.4	DIPHYLLOBOTHRIUM																1						1
008.0	E.COLI 0157										1												1
007.1	GIARDIA LAMBLIA	3	1																				4
041.5	HAEM.INFLUENZA B (not csf	1																					1
070.1	HEPATITIS A		1																				1
070.3	HEPATITIS B	1							1														2
070.51	HEPATITIS C	21	1		1			1	4		2		1		1		1	1					34
487.1A	INFLUENZA A	16		1	3		1		5		3		7		1		1	3	2				43
487.1B	INFLUENZA B	7					1				2		3						1				14
027.0	LISTERIA MONOCYTOGENES	1																					1
084	MALARIA	2																					2
B95.6	MRSA	48	4	1			1		6		3	1	6		3	6	8	33	17		1		138
728.86	NECROTIZING FASCIITIS	1																					1
036.89	NEISSERIA MGTS(Other)										1												1
033.0	PERTUSSIS	3														1		1	1				6
083.0	Q. FEVER	1																					1
003.0	SALMONELLA	6			1						5		1		2								15
004	SHIGELLOSIS	4																					4
785.5	STAPHYLOCOCCUS AUREUS	2																					2
481	STREP. PNEUMONIAE PNEU MON	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC	4							1								1	1	2				9
013	TUBERCULOSIS - NON-RESP.															1							1
011	TUBERCULOSIS - RESP.	3															1	5					9

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
B96.8	VANCOMYCIN RES. ENTER.								1				1		1								3
		174	12	2	8		10	1	26		23	1	22		12	8	16	45	25		1	1	387

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - February 2008

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2007**	**2008**	**2007**	**2008**
All Chlamydia Infections	353	564	776	1219
All Gonorrhea Infections (including PRNG)	83	110	204	257
All Syphilis Infections	3	1	6	6
Gonorrhea & Chlamydia Co-infections	33	61	68	124
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	7	14	13

Total Number of STD Cases by Age and Gender - February 2008

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							6	3	130	39	95	60	56	29	38	24	8	7	2	3		3						503
Gonorrhea Only Cases							1		7	6	7	7	5	5	3	5		1	1	1								49
Syphilis Only Cases																						1						1
GC and CT Cases								1	12	3	14	6	7	4	4	5	3	1				1						61
							7	4	149	48	116	73	68	38	45	34	11	9	3	4		5						614
HIV													1	1	2	2				1								7

Regional STD Distribution - February 2008

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	291	24	12	6	2	7	3	22	3	24		20	3	9	4	17	85	28		4		564
All Gonorrhea Infections	50	2	2			1		2		5				3	1	3	30	9		2		110
All Syphilis Infections	1																					1
GC and CT Infections	21	2	1			1		1		2					1	2	23	7				61

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction